

Memorandum

To: Commissioner James D. Boyd, Presiding Member
Commissioner John L. Geesman,
Associate Member

Date: January 24, 2006

Telephone: (916) 654-4206
File: 04-AFC-1

From : **California Energy Commission** Bill Pfanner
1516 Ninth Street Siting Project Manager
Sacramento CA 95814-5512

Subject: **THE SAN FRANCISCO ELECTRIC RELIABILITY PROJECT (04-AFC-1) STATUS REPORT #9**

Staff published the Preliminary Staff Assessment (PSA) for the San Francisco Electric Reliability Project (SFERP) on September 13, 2005, and conducted the PSA Workshop on October 18, 2005. At the PSA Workshop the participants identified three areas where additional information was needed for the Energy Commission staff to complete the Final Staff Assessment (FSA). This includes:

- the Final Determination of Compliance (FDOC) from the Bay Area Air Quality Management District (BAAQMD);
- a revised project description to address a modified surface drainage plan and associated permits; including the Stormwater Pollution Prevention Plan (SWPPP) and
- verification that detailed soil and groundwater samples from the project site will be prepared and that if needed, steps for appropriate remediation be identified, followed by an implementation plan.

Air Quality: At the PSA Workshop, it was determined that the SFERP Air Quality PM2.5 mitigation will be finalized in the compliance phase of the project. The FSA will identify the options the City has for mitigating the entire PM2.5 contribution. The Final Determination of Compliance (FDOC) from the Bay Area Air Quality Management District (BAAQMD) was submitted to the Energy Commission on December 15, 2005.

Surface Drainage: Staff received an amended project description from the City and County of San Francisco (CCSF) on November 18, 2005. The original AFC and subsequent Supplement A proposed directing all surface water drainage from the project to the City's combined surface drainage/municipal sewage treatment system. The applicant has amended the AFC so that the site's surface drainage will filter through a vegetated drainage swale and empty into the San Francisco Bay. On January 11, 2006, the applicant submitted the SWPPP for the revised surface drainage plan. Staff has incorporated the revised drainage system into the FSA.

Soil and Groundwater Contamination: Further soil and groundwater characterization of the proposed four-acre SFERP site and clarification of specific Conditions of Certification (COC) was discussed at the PSA workshop and followed up with a letter from staff to the applicant on November 29, 2005. On December 15,

2005, the applicant submitted a Summary Work Plan providing a general discussion of how they will address soil and groundwater sampling, site characterization, risk assessment update, potential site remediation and a schedule for completing these activities. Staff has reviewed the proposed Summary of Work and in consultation with the San Francisco Regional Water Quality Control Board will determine how it will amend the Conditions of Certification (COCs) found in the Waste and Soil and Water sections of the FSA. The FSA will clarify the soil and groundwater mitigation measures that will need to be completed before site mobilization and construction can begin.

Amended Project Description

On December 20, 2005, CCSF formally submitted a revised project description, Supplement B, amending the AFC by proposing to access treated secondary effluent from a pressurized manhole in the Southeast Waste Water Treatment Plant (SEWWTP) outfall located approximately 2,600 feet from the SFERP. At this location, the water supply is of significantly better quality than the raw wastewater supply from the previously proposed collection box on Marin Street. The applicant has stated that improvement in water quality eliminates the need for a traveling band screen and the onsite secondary treatment system using an aerobic tank, which it expects will reduce the project cost and long-term maintenance requirements. Onsite water treatment will now be limited to tertiary treatment as follows: incoming secondary effluent water supply will go through ultra-filtration followed by disinfection, and then be passed through a single-stage reverse osmosis treatment system. The resultant final water quality will meet full Title 22 tertiary recycled water requirements. On January 11, 2006, the CCSF submitted the environmental assessment for Supplement B, addressing the relevance of the change for all technical areas. This information is currently being reviewed by staff.

FSA Publication

Assuming the amended project description Supplement B's associated environmental information is determined to be complete, the FSA will be published approximately 30 days after its receipt. Therefore, the date for publication of the FSA is tentatively scheduled for February 15, 2006.

POS list